

SAINT JOSEPH'S COLLEGE

Collegeville, Indiana

Sample Programs
for the
A.B. and B.S.
Degrees



Catalog Supplement

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SAINT JOSEPH'S COLLEGE
Collegeville, Indiana

SAMPLE PROGRAMS for the A.B. and B.S. DEGREES

Accounting

Biology

Business

Chemistry

Economics

Education

Elementary

Secondary

Physical Education

Engineering

Chemical

Electrical

Mechanical and Civil

Metallurgy

English

Geology

History

Mathematics

Philosophy

Pre-Theology

Social Science

PURPOSE AND AIMS

The general purpose of Saint Joseph's College is to offer its students a college education which embodies the principles and practices of the Catholic way of life. The achieving of this purpose implies that as the student advances in his course he learns to think, judge, and act more readily in accord with right reason guided by the mind and teaching of the Church. Saint Joseph's makes its own the principle enunciated by Pope Pius XI, that the object of Christian education is to prepare a man "for what he must be and for what he must do here below, in order to attain the sublime end for which he was created."

For the attainment of this general purpose, the College proposes for itself the following specific aims:

1. To offer such facilities for religious worship, instruction, and guidance as will lead the student to a more thorough understanding, a more genuine love, and a more generous practice of his Faith, and to acceptance of it as the supreme standard by which he will measure life's other values.

2. To assist the student in his intellectual growth so that as he gains knowledge he may also the better develop correct methods of thinking, cultivate worthy attitudes and appreciations, and improve his ability to express ideas effectively.

3. To provide a program of general education which acquaints the student with the facts and the methods of inquiry in the chief fields of knowledge, namely, religion and philosophy, humanities, natural sciences, and social sciences. This program, completed in the main during the freshman and sophomore years, lays the foundation for advanced work.

4. To provide a program of advanced education enabling the student to gain deeper insight and wider comprehension in that field of knowledge which he chooses for concentrated study. This program, confined largely to the junior and senior years, aims to complete the basic training for the student's future career, including entrance into a graduate or professional school.

5. To provide a program of professional education preparatory for immediate entrance into certain professions upon graduation. The program does not restrict itself to professional courses but draws also from the offerings in the programs of general and advanced education.

6. To safeguard the student's health and to promote his physical fitness through an organized health service and a program of recreational activities.

7. To aid the student, through personal guidance, assistance, and supervision, to realize his individual dignity, duties, and capacities.

8. To foster in the student a lively appreciation of his social and civic obligations. In particular, the College aims to present the Christian virtues of justice and charity as the firm foundation upon which the student should build his life as a member and citizen of his community and country.

These aims the College construes not as separate and independent but as interrelated, not as pertaining to the classroom alone but as pervading the student's entire campus life. Each member of the staff accepts the obligation to contribute not only to the specific aims in his assigned field of work but also to the balanced Christian development of the whole student.

ORIENTATION PROGRAM

At the opening of the fall semester, the College conducts orientation exercises for all new students. Placement tests are given to provide a basis for counseling and guiding the students in the selection of courses and in assigning them to class sections. Faculty members act as counselors and assist new students in planning their programs for the first semester. In meetings held during the week, the students learn about Saint Joseph's — its traditions, equipment, regulations, and opportunities.

REGISTRATION

No student will receive credit for any subject taken in a class for which he has not been duly registered.

After a student's class schedule has been approved, changes in the courses or class sections may not be made unless authorized by the Dean of the College.

Late Registration. Students failing to register or to pay fees and tuition on the registration days designated in the catalog must pay a late registration fee.

CLASS SCHEDULE

A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer than four students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes unduly crowded or is of such a nature that limited enrollment will be advantageous.

Faculty counselors will assist students in planning their programs of study. The suggested programs which are listed in the catalog for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his major by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar. Opportunity for necessary adjustments in class schedules is provided during the first week of classes in each semester.

CLASS LOAD

The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. The maximum number of hours for which he may receive credit in any semester is nineteen. Permission to register for a course in excess of the normal load must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$10.00 for each credit hour in excess of seventeen will be applied to the student's account except in those cases where the departmental program recommended in the catalog requires more than seventeen hours in a particular semester.

WITHDRAWAL FROM COURSES

Having registered for a given course and presented the class-admission card to the instructor, a student may not withdraw from the course without written permission from the Dean of the College. The mid-term tests mark the limit of time for withdrawals. Thereafter, a student who fails to complete the course will be charged with a failure.

GRADES AND CREDITS

Credits. The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. Thus, a class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.

Grading System. Grades are given in letter symbols; no definite numerical value is indicated. The symbol A indicates excellent achievement; B, above average; C, average; D, acceptable but poor; E, conditional; F, failing; WP, withdrew passing; WF, withdrew failing; XP, too many cuts while passing; XF, too many cuts while failing; I, incomplete.

Grade Reports. Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

Quality Points. A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality point. Quality points are assigned to grades according to the scale given below. The quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

Grades	Meanings	Quality Points
A	Excellent	3
B	Above Average	2
C	Average	1
D	Acceptable but Poor	0
E	Conditional	0
F	Failing	-1

Scholastic Index. The index expresses in one convenient symbol the ratio of a student's total quality points to his total credits. This ratio is found by dividing the sum of the student's quality points by the sum of his credits. Thus, if his points equal his credits, his index will be 1.00, indicating that he is maintaining himself at the general level of C.

Conditional Grade. A conditional grade, E, when incurred in the mid-semester tests will be treated as a failure in the computation of the tentative index. No examination to remove the conditional will be given at this time. A conditional grade in the semester examinations may be raised to a D by the successful passing of a second examination. This examination must be taken no later than five weeks after the date of incurring the condition. If the condition is not removed by a passing grade within that time, it reverts to a failure. In the computation of the index for the semester, the hours with a grade of E will not be considered until the condition has either been removed or has reverted to a failure.

Incomplete Grade. A course in which the grade of I is received will not be considered in computing the index until the incomplete is removed. If the I is not removed within five weeks after the semester (except in Honors Seminars), a grade of F will be assigned.

CLASSIFICATION

A student is classified as a freshman if he meets the entrance requirements; as a sophomore when his record shows 28 semester hours of college credit. To be classified as a junior, a student must have earned at least 58 semester hours; for senior standing, 92 hours are required.

CURRICULUM ORGANIZATION

All courses are grouped under the five Divisions: Religion and Philosophy, the Humanities, the Natural Sciences, the Social Sciences, and Education. Furthermore, Freshman courses (1-19) and Sophomore (20-29) are designated lower-level, while Junior (30-39) and Senior (40-51) are distinguished as upper-level courses on the basis of content and instructional procedures. Ordinarily, odd-numbered courses are offered during the first semester and even-numbered courses during the second semester.

GENERAL EDUCATION

The faculty of Saint Joseph's College has given considerable thought and effort to the building of a curriculum which will provide a sound program of general education for all students. It is generally agreed that colleges exist for the purpose of transmitting the cultural inheritance; that every educated person should have an acquaintance with the facts and the methods of inquiry in the chief fields of knowledge; and that learning must have breadth as well as depth. While, therefore, the courses in general education are wide in scope, they must not be regarded as shallow or superficial, for they have been designed to be both the foundation and the complement of the more specialized courses in designated fields of concentration.

The number of semester hours a student must earn on the lower level is a minimum of sixty. Of these, the following specified courses constitute, with the exceptions noted below, that part of the program of general education required of all. They are to be completed, ordinarily, by the end of the sophomore year.

	Semester Hours	
Religion 2, 21, and 22	9	Spiritual Life and Catholic Worship; Apologetics; Catholic Dogma
Philosophy 1, 2, and 21 or 23	9	Moral Philosophy; Introduction to Thomistic Philosophy; General Psy- chology; Logic
English 1-2, 3-4, 5-6 or 7-8	6	Rhetoric and Composition; Freshman Literature
Speech 1-2	2	Fundamentals of Speech
Humanities 20, 21-22, 23-24, or 25	6	Literary Art Forms; English Litera- ture; World Literature; Music Art Forms
Natural Science 2 and 3-4	9	Principles of Biological Science; Prin- ciples of Physical Science
Social Science 1-2	6	Development of Western Institutions
Social Science Elective	3	Economics; Geography; History; Poli- tics; Sociology
	— 50	

Exceptions. 1. A student will be allowed to substitute specific related courses for those in which he already has a satisfactory acquaintance as shown through an examination. 2. Certain adjustments are provided for the student who at registration definitely plans to follow a program in the natural sciences, or teacher training. See details under these heads. 3. The extent to which the lower-level credits presented by the transfer student are acceptable in place of these required courses will be determined by the Dean of the College. 4. The non-Catholic student may substitute other courses for religion on both the lower and upper levels.

Foreign Language. While offered as a recognized element in liberal education, foreign language study is not required of all. However, German specifically is required of Chemistry majors; a foreign language (preferably German), of pre-medical students; and German or French is strongly recommended for the student planning to enter graduate school.

Examination. The General Culture Test will be required at the end of the sophomore year.

ADVANCED AND SPECIAL EDUCATION

Every approved sequence of courses leading to a bachelor's degree is based on the assumption that as the student advances, he must accept an increasing share of the responsibility for his own education. Within the framework of a few basic principles of organization and minimum essential requirements, he is encouraged to select advanced courses which best fit his needs, interests, and vocational aspirations. The suggested programs which are listed in the catalog for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his field of concentration by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives.

The number of semester hours on the upper level required for graduation is a minimum of fifty. The program of advanced or special education will include the following:

Major Sequence. Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department, or, for a group major, thirty-six credit hours in a division of instruction.

Minor Sequence. Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its relation to the major sequence though not necessarily in the same division.

Religion and Philosophy. Three upper-level hours in religion and three in philosophy are required.

Electives. Additional courses to complete the fifty upper-level hours and the total minimum of 124 semester hours and 124 quality points required for graduation.

GRADUATION — DEGREES — HONORS

Residence. Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent. Three six-week summer sessions are considered the equivalent of one semester. Academic credit earned in residence at another college or university will be accepted for transfer provided the quality of such work is the equivalent of at least a C grade at Saint Joseph's College. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty semester hours and thirty quality points must ordinarily be completed on the campus of Saint Joseph's College. For exceptions, see "Degree in Absentia."

Semester Hours and Quality Points. A minimum of 124 semester hours and quality points are required for graduation. The number of quality points earned in courses of the major sequence may never be less than the minimum credit hours required for the respective major. At least sixty hours must be completed on the lower level, including the prescribed work in general education; at least fifty hours, including the requirements of advanced and special education, must be completed on the upper level. Not more than forty-two hours in a single department will counted toward the minimum total required for graduation.

Examinations. In addition to the regular course examinations, the candidate for the degree must pass a comprehensive examination covering his major field. Preparation for this examination implies that from the very beginning the student will have organized the results of his study and reading with a view to permanent retention. The subject matter for the comprehensive examination in a departmental major covers the entire area of undergraduate preparation in that particular field of knowledge and is, therefore, not restricted to the specific subjects which the candidate has completed in course. The student will be tested on his knowledge of basic facts and principles, his insight into relationships and his ability to apply what he has learned to the solution of typical problems. The norm for passing the examination may be stated as that degree of competence which would be obtained from a careful reading and independent study of standard texts proper to all courses, lower-level as well as upper, offered by the Department. The Divisional Chairman in consultation with the Dean of the College will determine the scope of the examination for the student who has selected a divisional or group major. Comprehensive examinations are written tests of approximately six hours in length

and are administered about two weeks before the end of the semester. Furthermore, all seniors must take the Graduate Record Examination in their final year on the dates set down in the College Calendar.

Degrees. Saint Joseph's College confers the Bachelor of Arts degree in Biology, Biology-Chemistry, Chemistry, Economics, English, English-Journalism, Geology, History, Mathematics, Mathematics-Physics, Philosophy, Physical Science, and Social Science; the Bachelor of Science degree in Accounting, Business Administration, Education, and Physical Education. However, the student who majors in Biology, Chemistry, Geology, or Mathematics, may, if he prefers, receive the Bachelor of Science degree. Students completing the curriculum for the preparation of elementary teachers receive the Bachelor of Science in Education degree. (B.S. in Ed.)

Honors Seminar. As a means to promote scholarship and initiative on the part of superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading, and research in the student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have in his junior year maintained a B average in his major sequence. Topics for research must be approved by the student's major professor.

Graduation With Honors, is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index (through the four years of college) of 2.00 for the honor **Cum Laude**, of 2.50 for **Magna Cum Laude**, and of 2.75 for **Summa Cum Laude**.

Degree in Absentia. Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering, or medicine may secure the degree in absentia. In addition to the requirements regarding total hours, advanced courses, major and minor sequences, and comprehensive examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

DIVISION OF SOCIAL SCIENCES

The Division offers a major sequence in each of the following Departments: Accounting, Economics, Business Administration, and History. The major ordinarily is twenty-four hours in upper-level courses as prescribed under the respective Department. In Politics and in Sociology there is offered a minor, consisting of twelve upper-level hours.

DEPARTMENT OF ACCOUNTING

The Department of Accounting provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

Accounting 1-2 and Economics 1-2 are prerequisite for all upper-level courses.

The requirement for a major sequence in accounting is twenty-four hours in upper-level courses, including Accounting 31, 32, 36, 43-44, and 45-46. The requirement for a minor sequence is twelve hours in upper-level courses.

All students registered for courses in accounting are required to take the series of standardized tests administered by the Department.

** Programs for designated majors should be viewed as suggested patterns and not as rigid schedules. By the end of his sophomore year, the student should select a field of concentration and with the guidance of his faculty counselor plan his course of studies for the junior and senior years.

Suggested Program of Courses for the B.S. Degree with
Accounting as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Social Science 1-2	3	3	Development of Western Institutions
Natural Science 3-4	3	3	Principles of Physical Science
Business 1-2	2	2	Introduction to Business
Mathematics 1 or Elective	3		College Algebra; Elective
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3		General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1	1	Fundamentals of Speech
Accounting 1-2	3	3	Principles of Accounting
Economics 1-2	3	3	Principles of Economics
Natural Science 2		3	Principles of Biological Science
	16	16	

JUNIOR YEAR

Economics 21-22	3	3	Business Law
Accounting 31, 32	5	3	Intermediate; Advanced Accounting
Accounting 33 or 41	2		Budgeting; Modern Systems
Accounting 36		3	Auditing
Accounting 40 or 42		2	Financial Statement Analysis; Governmental Accounting
Business 31 or 38	3		Industrial Management; Statistics
Business 32 or 36		3	Personnel Management; Corporation Finance
Minor Sequence	3	3	
	16	17	

SENIOR YEAR

Religion 30 or 35 or 41	3		Christian Marriage; Liturgy; Sacred Scripture
Philosophy 32 or 34		3	Natural Theology; Ethics
Accounting 33 or 41	2		Budgeting; Modern Systems
Accounting 40 or 42		2	Financial Statement Analysis; Governmental Accounting
Accounting 43-44	3	3	Income Tax Accounting
Accounting 45-46	2	2	Cost Accounting
Accounting 48		1	C. P. A. Problems
Accounting 51	3		Honors Seminar
Minor Sequence	3	3	
	16	14	

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 28-31. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

DEPARTMENT OF BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

The minimum requirement in upper-level courses for a major sequence in biology is twenty-four semester hours; for a minor sequence, twelve semester hours.

Majors in biology must show credit in Chemistry 31-32 and Physics 21-22. Pre-medical students must show four semesters of credit, or the equivalent, in a modern foreign language. German and French are recommended.

**Suggested Program of Courses for the A.B. or B.S. Degree
with Biology as Major and Chemistry as Minor Sequence ****

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1	3		Moral Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Biology 1, 2	4	4	Zoology; Botany
Chemistry 1, 2	4	4	General Inorganic; Qualitative
Mathematics 1, 3	3	3	Algebra; Trigonometry
Physical Education 1-2	-	-	Physical Education (Required Course)
	<u>17</u>	<u>17</u>	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 2		3	Introduction to Thomistic Philosophy
Humanities 21 or 23 or 25	3		English Literature; World Literature; Music Art Forms
Physics 21-22	4	4	College Physics
Biology 31-32	3	3	Comparative Vertebrate Anatomy
Social Science 1-2	3	3	Development of Western Institutions
Speech 1-2	1	1	Fundamentals of Speech
	<u>17</u>	<u>17</u>	

JUNIOR YEAR

Philosophy 21	3		General Psychology
German 1-2	3	3	Introductory German
Biology 33, 34	2	2	History of Medicine; Microtechnique
Biology 39, 40	4	4	Embryology; Animal Histology
Chemistry 31-32	4	4	Organic Chemistry
Humanities 20 or 22 or 24		3	Literary Art Forms; English Literature; World Literature
	<u>16</u>	<u>16</u>	

SENIOR YEAR

Religion 30	3		Christian Marriage
Philosophy 34	3		Professional Ethics
German 21, 26	3	3	Intermediate; Scientific German
Biology 43-44	4	4	Bacteriology
Chemistry 33 or 41	4		Quantitative Analysis; Elementary Physical Chemistry
Chemistry 34 or 42	4		Adv. Quantitative; Biochemistry
Biology 51	3		Honors Seminar
Social Science, Upper-level	3		History; Sociology
	<u>17</u>	<u>17</u>	

** Students who prefer a group major in biology-chemistry will take Chemistry 41 in the junior year in place of Biology 33.

DEPARTMENT OF BUSINESS ADMINISTRATION

The courses in business administration have been designed to provide training for positions in business. Their aim is to combine specific preparation with a background in general education, which, with experience, should enable one to assume positions of higher responsibility more rapidly and competently. During the freshman and sophomore years, the course of studies is general in character, conforming closely to the pattern suggested for economics. During the junior and senior years, areas of concentration are provided in general business and marketing.

The requirement for a major sequence in general business is twenty-four hours in upper-level courses, including Business 37, 39, and 46. Related courses highly recommended include Economics 35-36 and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

The requirement for a major sequence in Marketing is also twenty-four hours in upper-level courses, including Business 39, 43, and 46. Related courses highly recommended include Business 34 and 44, Economics 42 and 48, and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 1-2 is prerequisite for all upper-level courses.

Suggested Program of Courses for the B.S. Degree with
Business Administration as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Social Science 1-2	3	3	Development of Western Institutions
Natural Science 3-4	3	3	Principles of Physical Science
Mathematics 1 or Elective	3		College Algebra; Elective
Business 1-2	2	2	Introduction to Business
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3		General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1	1	Fundamentals of Speech
Accounting 1-2	3	3	Principles of Accounting
Economics 1-2	3	3	Principles of Economics
Natural Science 2		3	Principles of Biological Science
	16	16	

Major Sequence in General Business

JUNIOR YEAR

Philosophy 34	3	Professional Ethics
Economics 21-22	3 3	Business Law
Business 31 or 41	3	Industrial Management; Insurance
Business 32 or 42	3	Personnel Management; Advertising
Business 37, 39	6	Government and Business; Marketing
Business 33, 40	2 2	Budgeting; Financial Statements
Minor Sequence	3 3	
Electives	3	Recommended: U. S. History;
		Mathematics of Finance
	17 17	

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Liturgy; Church History; Sacred Scripture
Business 31 or 41	3	Industrial Management; Insurance
Business 32 or 42	3	Personnel Management; Advertising
Business 38 or 43	3	Statistics; Salesmanship
Business 44, 46	6	Credits and Collections; Business Cycles
Business 34 or 36	3	Transportation; Corporation Finance
Business 51	3	Honors Seminar
Minor Sequence	3 3	
Electives	2 2	Recommended: Money and Banking; Discussion and Debate
	17 17	

Major Sequence in Marketing

JUNIOR YEAR

Economics 21-22	3 3	Business Law
Philosophy 34	3	Professional Ethics
Business 31 or 45	3	Industrial Management; Retailing
Business 32 or 42	3	Personnel Management; Advertising
Business 33, 40	2 2	Budgeting; Financial Statements
Business 39 or 43	3	Marketing; Salesmanship
Business 34 or 36	3	Transportation; Corporation Finance
Minor Sequence	3 3	
Electives	3	Recommended: Catholic Economic Thought; International Economics
	17 17	

SENIOR YEAR

Religion, Upper-Level	3	Christian Marriage; Church History; Sacred Scripture
Business 31 or 45	3	Industrial Management; Retailing
Business 32 or 42	3	Personnel Management; Advertising
Business 37 or 38	3	Government and Business; Statistics
Business 44, 46	6	Credits and Collections; Business Cycles
Business 39 or 43	3	Marketing; Salesmanssip
Minor Sequence	3 3	
Electives	3	Recommended: U. S. History; Mathematics of Finance
	15 15	

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 28-31. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

DEPARTMENT OF CHEMISTRY

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the field: a) to observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

The minimum requirement for a major sequence in chemistry is twenty-four semester hours on the upper level, including courses in organic, quantitative analysis, and physical chemistry. For a minor sequence twelve semester hours in upper-level courses, including Chemistry 33, are required.

The following are prerequisite for upper-level courses, or requisite for graduation: Chemistry 1, 2, 38, and either 49 or 51. It is further necessary for a student majoring in chemistry to show credit in Mathematics 1, 3, 4, 21, 22, and in Physics 21-22. Two years of college German, or the equivalent, must be completed.

Unless otherwise noted, laboratory periods are three-hour periods.

Suggested Program of Courses for the A.B. or B.S. Degree
with Chemistry as Major and Mathematics as Minor Sequence **

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4	4	General Inorganic; Qualitative
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
German 1-2	3	3	Introductory German
Chemistry 31-32	4	4	Organic Chemistry
Physics 21-22	4	4	College Physics
Mathematics 21, 22	3	3	Differential and Integral Calculus
	17	17	

JUNIOR YEAR

Philosophy 21 or 23	3		General Psychology; Logic
Philosophy 34		3	Professional Ethics
Social Science 1-2	3	3	Development of Western Institutions
German 21, 26	3	3	Intermediate; Scientific German
Mathematics 33 or 41	3		College Geometry; Theory of Equa- tions
Chemistry 33, 34	4	4	Quantitative; Adv. Quantitative Analysis
Chemistry 37, 38	1	1	Literature of Chemistry; Pro-seminar
Chemistry 48		2	Advanced Inorganic Chemistry
	17	16	

SENIOR YEAR

Religion, Upper-level	3		Christian Marriage; Church History; Sacred Scripture
Humanities 21-22 or 23-24	3	3	English Literature; World Literature
Mathematics 31	3		Calculus II
Mathematics 33 or 41	3		College Geometry; Theory of Equa- tions
Social Science, Upper-level	3		History; Sociology
Chemistry 45-46	4	4	Physical Chemistry
Chemistry 49-50	1	1	Research in Chemistry
Chemistry 51	3		Honors Seminar
Elective, Upper-level		3	Mathematics or Social Science
	17	17	

** Students majoring in Chemistry should make no changes in the sequence of courses without the written approval of the Dean of the College..

DIVISION OF SOCIAL SCIENCES

The Division of Social Sciences seeks to enlarge the student's social understanding and to deepen his sense of responsibility with the view that he may lead a more useful life as a member of society. He is to become acquainted with the social heritage which the study of the past provides for the interpretation of the present. He is to become acquainted also with the social teaching of the Church and its application to current social issues.

The Division offers a major sequence in each of the following Departments: Accounting, Economics, Business Administration, and History. The major is twenty-four hours in upper-level courses as prescribed under the respective Department. In Politics and in Sociology there is offered a minor, consisting of twelve upper-level hours.

The Division offers also a group major sequence, intended in particular for students who desire to complete their college course in preparation for professional schools of law, social work, public administration, or who desire to teach social science subjects in high school. The requirement is thirty-six hours in upper-level courses drawn from two or three of the following Departments: Economics, History, Politics, and Sociology. The distribution of courses is adjusted to meet the entrance requirements of the respective professional school or to qualify for the desired teaching certificate, but a minimum of nine hours of upper-level credit must be completed in each department included in the group major. No accompanying minor sequence is required.

DEPARTMENT OF ECONOMICS

The program in Economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of accounting, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into schools of commerce and business administration.

The requirement for a major sequence is twenty-four hours in upper-level courses, including Economics 35-36, 42, and 46. Related courses highly recommended include Accounting 1-2, Politics 21 and 22, and History 37 or 38. Students expecting to pursue graduate courses in economics are advised to show twelve hours of credit in foreign language, either French or German. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 1-2 is prerequisite for all upper-level courses.

Suggested Program of Courses for the A.B. Degree with
Economics as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Social Science 1-2	3	3	Development of Western Institutions
Natural Science 3-4	3	3	Principles of Physical Science
Mathematics 1 or Elective	3		College Algebra; Elective
Business 1-2	2	2	Introduction to Business
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3		General Psychology; Logic
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 1-2	1	1	Fundamentals of Speech
Accounting 1-2	3	3	Principles of Accounting
Economics 1-2	3	3	Principles of Economics
Natural Science 2	3		Principles of Biological Science
	16	16	

JUNIOR YEAR

Philosophy 34	3		Professional Ethics
Economics 21-22	3	3	Business Law
Economics 34 or 48	3		Transportation; International Economics
Economics 35-36	2	2	Money and Banking
Economics 37	3		Government and Business
Economics 38 or 41	3		Statistics; Insurance
Minor Sequence	3	3	
Electives	3	3	Recommended: Foreign Language; American Government
	17	17	

SENIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Liturgy; Church History; Sacred Scripture
Economics 38 or 41	3		Statistics; Insurance
Economics 42	3		Catholic Economic Thought
Economics 43-44	3	3	Labor Problems and Legislation
Economics 46	3		Business Cycles
Economics 51	3		Honors Seminar
Minor Sequence	3	3	
Electives	3		Recommended: U. S. History
	15	15	

DIVISION OF EDUCATION

Saint Joseph's College is accredited by the Indiana State Department of Public Instruction for the training of teachers. The programs of study which are outlined in the following pages have been designed to provide the prospective teacher with a good general education as a foundation for his professional training and, at the same time, to meet the requirements for the teacher's certificate.

Students who are interested in a teaching career should acquaint themselves with the requirements for the teacher's certificate in the state in which they expect to be licensed. In general, the regulations prescribe: 1. A four-year curriculum leading to the bachelor's degree. 2. Professional courses approximating eighteen semester hours. 3. Academic credit in two or three teaching fields constituting the equivalent of a major and one or two related minors. 4. A recommendation by the Director of Teacher Training.

Every curriculum for the preparation of high school teachers must conform to the following general pattern:

1. General Education

	Semester Hours
Religion 2, 21, 22	9
Philosophy 1, 2, 21	9
English 1-2 or 3-4 or 5-6	6
Humanities	6
Social Science 1-2	6
Natural Science 2, 3-4	9
Speech 1-2	2
Physical Education 1-2	-
	<hr/> 47

The credit earned in general education may be used whenever applicable to meet the requirments for any subject matter area. Students who elect biology, general science, or health and physical education as one of their teaching fields will omit Natural Science 2 from the program of general education. Only those students who select a foreign language as a teaching field may substitute the language for the humanities requirement. If foreign language is omitted, Humanities 25, Music Art Forms, must be included in the program of general education.

2. Professional Education	Semester Hours
Education 21, Introduction to Education	2
Education 22, Educational Psychology	3
Education 31, Principles of Secondary Education.....	3
Education 32, General Methods	3
Education 39, Counseling and Guidance	2
Education 46.1-46.2, Student Teaching: High School	5
Education 49, Special Methods (Comprehensive Area)	2
	<div>20</div>

3. Two or Three Academic Subject Matter Areas

The subject matter areas in which the student wishes to qualify for the Provisional Certificate may be selected according to any one of three plans as follows:

- A. One comprehensive area (40 semester hours) and either one restricted area (24 semester hours) or one conditional area (minimum 18 semester hours).
- B. Two comprehensive areas.
- C. One comprehensive area and not more than two additional areas either or both of which may be restricted or conditional areas.

4. Completion of the Requirements for Graduation

Students enrolled in a teacher training curriculum will be required to meet the general requirements for graduation except as here provided:

- A. Major Sequence. It is recommended that the candidate for a teacher's certificate select a departmental or group major in the area of the teaching field in which he has a primary interest. He may, however, qualify for the bachelor's degree in education by completing a minimum of 24 semester hours of upper-level credit in Elementary or Secondary Education. In addition to the professional courses prescribed for the teacher's certificate, the major sequence in education shall include nine semester hours chosen from Education 33, 34, 35, 37, and 41.
- B. Minor Sequence. Ordinarily the minor sequence will be chosen from the second teaching field. It may be elected in any division or department in which a teaching area (comprehensive, restricted, or conditional) is offered, or in the Division of Education. Credit applied toward the major sequence may not be counted toward a minor even though such credit may apply to both teaching areas.

ACADEMIC SUBJECT MATTER AREAS

Saint Joseph's College offers training which will lead to certification on the secondary school level in the following Comprehensive and Restricted or Conditional Areas, and to the provisional general certificate on the elementary school level.

I. Comprehensive Areas: 1. Language Arts (English); 2. Languages; 3. Social Studies; 4. Biological Science; 5. Physical Science and Mathematics; 6. General Science; 7. Health and Physical Education.

II. Restricted or Conditional Areas: 1. English; 2. Foreign Language; 3. Journalism; 4. History; 5. Social Studies; 6. Biology; 7. Physics; 8. Chemistry; 9. General Science; 10. Mathematics; 11. General Business; 12. Retail Selling; 13. Health and Safety Education; 14. Physical Education; 15. Recreation; 16. Instrumental Music.

A provisional secondary certificate is valid for five years and will permit the teaching of the subject or subjects in which the certificate is issued in grades seven through twelve in any secondary school.

Provisional certificates to include restricted areas may be issued in any subject upon a minimum of twenty-four semester hours. The Restricted Area of the certificate may be converted to a Comprehensive Area upon the completion of a total of forty semester hours of credit earned in the respective area within a ten-year period.

Limited certificates to include Conditional Areas may be issued in all subjects except English upon a minimum of 18 semester hours. The Conditional Area of the certificate is valid for one year and may be renewed with a minimum of three semester hours of additional work each year until the total credit in that subject field has reached twenty-four semester hours.

III. General Elementary Teachers' Certificate. The course of studies leading to the B.S. in Ed. degree has been constructed to meet all the requirements for the elementary certificate. Such a certificate is valid for five years and for teaching all subjects in grades one to eight inclusive. It is also valid in grade nine of a junior high school in a special area in which the teacher has eighteen semester hours of college credit, or in any restricted area as required for secondary certificates.

Students who are interested in a teaching career in elementary education should select this program at first registration, with the understanding that no final commitment is necessary until the end of the sophomore year.

CURRICULUM FOR THE PREPARATION OF ELEMENTARY TEACHERS

Approved Course of Studies Leading to the B.S. in Ed. Degree

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Humanities 25	3		Music Art Forms
Mathematics 1	3		College Algebra
Natural Science 2	3		Principles of Biological Science
Social Science 1-2	3	3	Development of Western Institutions
Physical Education 1-2	-	-	Physical Education (Required Crouse)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21	3		General Psychology
Humanities 23-24	3	3	World Literature
Education 21, 22	2	3	Introduction; Educ. Psychology
Biology 15	3		Personal and Community Health
Physical Education 16	2		First Aid and Safety Education
Natural Science 3-4	3	3	Principles of Physical Science
Social Science 21	3		World Geography
	17	17	

JUNIOR YEAR

Religion 30	3		Christian Marriage
Philosophy 34		3	Professional Ethics
History 35, 36 or 37, 38	3	3	United States History
Humanities 27	3		Art: History and Appreciation
Education 34, 38	3	3	Philosophy; Elementary Curriculum
Education 37, 48.0	3	2	Tests and Measurements; Art Skills
Education 40	2		Children's Literature
Physical Education 41	2		Activities for Elementary Grades
Sociology 32	3		Home and Family Relations
	17	16	

SENIOR YEAR **

Education 47	3		Industrial Arts and Crafts
Education 48.1, 48.2	2	2	Language Arts I and II
Education 48.3, 48.4	2	3	Natural Science; Arithmetic
Education 48.5, 48.6	3	2	Social Studies; Music
Education 45.1, 45.2	1	1	Professional Laboratory
Education 45.3, 45.4	3	3	Student Teaching; Elementary
Elective	3		
	14	14	

** Students completing the Elementary Curriculum will follow a special class schedule coordinating professional courses with off-campus student teaching during the senior year.

TABLE OF MINIMUM COURSE REQUIREMENTS
IN COMPREHENSIVE AREAS

1. Language Arts (English

Hrs.

English 3-4 or 5-6	6
English 33-34 and Electives	15
Humanities 21-22	6
Journalism 21	3
Speech 1-2, 31-32, 33, 38	10
	<hr/>
	40

2. Foreign Language
(With English)

Credit of 42 hours in any two of the following; a minimum of 18 hours in either language.

English

English 3-4 or 5-6 and 33-34	12
Humanities 21-22	6
Speech 1-2, 31-32	6
	<hr/>
	24

French

From French 1-2, 21-22, 31, 32 41-42	18
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German

From German 1-2, 21-22, 35-36, 41-42	18
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Latin

From Latin 1-2, 3-4, 5, 6, 7-8, 21, 22	18
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Spanish

From Spanish 1-2, 21-22, 26, 31-32 41-42	18
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3. Social Studies

Social Science 1-2, 21	9
Economics 1-2	6
History 21-22 and 31 or 32	8
From History 35 to 40	12
Politics 21-22	6
Sociology, Elective	3
	<hr/>
	44

4. Biological Science

Hrs.

Biology 1, 2, 12, 15, 31-32	21
Biology 41 and Electives	12
Geology 25	3
Natural Science 3-4	6
Physical Education 16	2
	<hr/>
	44

5. Physical Science and
Mathematics

One of the following alternative combinations may be selected:

- A. Chemistry 18 hrs., Physics 20 hrs., and Prin. Biol. Science 41
- B. Chemistry 20 hrs., Mathematics 18 hrs., and Prin. Biological Science 41
- C. Mathematics 18 hrs., Physics 20 hrs., and Prin. Biol. Science 41

6. General Science

Biology 1, 2, 12	12
Chemistry 1, 2	8
Geology 1 or 24	4
Mathematics 1, 3	6
Physics 21-22	8
Science, Elective	4
	<hr/>
	42

7. Health and Physical
Education

Health Education

Biology 3, 12, 15	11
Physical Education 16, 45	5

Physical Education

Physical Education 31, 34, 46	7
Physical Education 33, 35, 41	7
Physical Education 43, 48	6

Public Recreation

Physical Education 30, 37	5
	<hr/>
	41

TABLE OF MINIMUM COURSE REQUIREMENTS
IN RESTRICTED AREAS

1. English		9. General Science	
	Hrs.		Hrs.
English 3-4 or 5-6 and 33-34	12	Biology 1, 2, 12	12
Humanities 21-22	6	Chemistry 1, 2 or Physics 21-22	8
Speech 1-2 and 31-32	6	Geology 1 or 24	4
	<hr/> 24		<hr/> 24
2. Foreign Language		10. Mathematics	
Any one of the Following: German, French, Latin, Spanish		From Mathematics 1 to 34	24
(On the basis of demonstrated proficiency, a student may be excused from the six semester hours of the beginner's course.)		11. General Business	
		Business 1-2 and Electives	10
		Economics 1-2, 21-22, 42	15
			<hr/> 25
3. Journalism		12. Retail Selling	
From Journalism 21 to 46	18	Business 1-2, 39, 42, 43, 45	16
		Economics 1-2, 21-22	12
			<hr/> 28
4. History		13. Health and Safety	
U. S. History 35, 36, 37, 38	12	Biology 3, 12, 15, 38	14
History 21, 22 and Elective	9	Physical Education 16, 45	5
Social Science 21, Geography	3		<hr/> 19
	<hr/> 24		
5. Social Studies		14. Physical Education	
Business 1-2	4	Biology 3, 12, 15	11
Economics 1-2	6	Physical Education 31, 33, 34, 37, 44, 48	14
Politics 21-22	6		<hr/> 25
Social Science 1-2	6	15. Recreation	
Sociology, Elective	3	Biology 3, 12, 15	11
	<hr/> 25	Physical Education 30, 31, 33, 34 37, 48	15
6. Biology			<hr/> 26
Biology 1, 2, 12, 15, 31-32, 41	25	16. Instrumental Music	
7. Physics		Musical Theory 1, 2, 23-24, 33, 35-36	14
Physics 21-22 and Electives	24	Applied Music: String, woodwind, brass and percussion instruments	10
8. Chemistry		Ensemble: Band or Orchestra, six semesters	-
Chemistry 1, 2, 31-32, 37	17		<hr/> 24
Chemistry, Electives	7		
	<hr/> 24		

Suggested Program of Courses for the B.S. Degree with
Physical Education as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 4-5	3	3	Rhetoric and Composition
Biology 3, 12	4	4	Introductory Biology; Anatomy
Biology 15	3		Personal and Community Health
Social Science 1-2	3	3	Development of Western Institutions
Physical Education 1-2	-	-	Physical Education (Required Course)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21	3		General Psychology
Humanities 25, 20	3	3	Music Art Forms; Literary Art
Natural Science 3-4	3	3	Principles of Physical Science
Speech 1-2	1	1	Fundamentals of Speech
Physical Education 16		2	First Aid and Safety Education
Education 21, 22	2	3	Introduction; Educ. Psychology
Electives	2	2	Recommended: Introd. to Business
	17	17	

JUNIOR YEAR

Philosophy 34	3		Professional Ethics
Education 31, 32	3	3	Principles; General Methods
Education 39, 49 PE	2	2	Counseling; Special Methods
Physical Education 33, 34	2	2	Gymnastics; Intramural Sports
Physical Education 31, 30	3	3	History and Principles; Public Rec- reation and Camp Activities
Physical Education 35	3		Measurements in Physical Education
Minor Sequence	3	3	
	16	16	

SENIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Scripture
Physical Education 37, 41	4		Minor Sports; Activities for Ele- mentary Grades
Physical Education 43, 44	3	2	Coaching Football; H. S. Athletics
Physical Education 45, 46	3	2	Adm. Health and Physical Education
Physical Education 48	3		Coaching Basketball
Minor Sequence	3	3	
Education 46.1, 46.2	2	3	Student Teaching: High School
	15	16	

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 28-31. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

FIVE-YEAR ENGINEERING PROGRAMS

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a university or technical school. Under this plan the student attends Saint Joseph's for three years and then transfers to the school of his choice for the completion of advanced courses in a particular field of engineering. Upon the successful completion of the requirements for graduation from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and upon the completion of the five-year course, the Bachelor of Science in Engineering degree from the school to which he has transferred.

A formal agreement in acceptance of the three-two arrangement has been completed with the University of Notre Dame, and similar contracts with other schools of engineering are contemplated.

Approved Sequence of Courses for the First Three Years of the
Chemical Engineering Program

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Chemistry 3-4	5	5	Gen. Chemistry and Qual. Analysis
Physical Education 1-2	-	-	Physical Education (Required Course)
	18	18	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21		3	General Psychology
Social Science 1-2	3	3	Development of Western Institutions
Chemistry 33	4		Quantitative Analysis
Mathematics 21, 22	3	3	Differential and Integral Calculus
Physics 23-24	5	5	Engineering Physics
	18	17	

JUNIOR YEAR

Religion 30 or 35 or 41	3		Marriage; Liturgy; Sacred Scripture
Philosophy 32 or 34		3	Natural Theology; Ethics
English 27	3		Business and Technical Writing
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Mathematics 9, 10	3	3	Mechanical Drawing; Des. Geometry
Chemistry 31-32	4	4	Organic Chemistry
Chemistry 37, 38	1	1	Literature of Chemistry; Pro-seminar
Physics 44		3	Statics
	17	17	

Additional Credits to Complete Requirements for
the A.B. Degree in Physical Science

Economics 4, Chemistry 8, Chemical Engineering 13, Engineering
Mechanics 3, Mechanical Engineering 2, Metallurgy 4, Total 34.

Approved Sequence of Courses for the First Three Years of the
Electrical Engineering Program

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4	4	General Inorganic; Qualitative
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21		3	General Psychology
English 27	3		Business and Technical Writing
Speech 21	1		Advanced Speech
Social Science 1-2	3	3	Development of Western Institutions
Mathematics 21, 22	3	3	Differential and Integral Calculus
Physics 23-24	5	5	Engineering Physics
	18	17	

JUNIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Church History; Sacred Scripture
Philosophy 32 or 34	3		Natural Theology; Professional Ethics
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Mathematics 9, 10	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33	6		Calculus II; College Geometry
Mathematics 41, 34	3	3	Theory of Equations; Differential Equations
Physics 31, 44	3	3	Electric Circuits; Statics
	18	18	

Additional Credits to Complete Requirements for
the A.B. Degree in Physical Science

Economics 4, Engineering Mechanics 6, Electrical and Mechanical Engineering 22. Total 32.

Approved Sequence of Courses for the First Three Years of the
Mechanical and Civil Engineering Program

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Chemistry 1, 2	4	4	General Chemistry and Qualitative Analysis
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Speech 21	1		Advanced Speech
Social Science 1-2	3	3	Development of Western Institutions
Mathematics 21, 22	3	3	Differential and Integral Calculus
Physics 23-24	5	5	Engineering Physics
	18	17	

JUNIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Church History; Sacred Scripture
Philosophy 21	3		General Psychology
Philosophy 32 or 34	3		Natural Theology; Professional Ethics
English 27	3		Business and Technical Writing
Mathematics 9, 10	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33	6		Calculus II; College Geometry
Mathematics 41, 34	3	3	Theory of Equations; Differential Equations
Physics 44	3		Statics
Physics, Elective	3		Electric Circuits; Electronics; Modern Physics
	18	18	

Additional Credits to Complete Requirements for
the A.B. Degree in Physical Science

Economics 4, Engineering Mechanics 7, Civil Engineering or Mechanical Engineering 22. Total 33.

Approved Sequence of Courses for the First Three Years of the Metallurgy Program

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Chemistry 3-4	5	5	General Chemistry and Qualitative Analysis
Physical Education 1-2	-	-	Physical Education (Required Course)
	18	18	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
German 1-2	3	3	Introductory German
Social Science 1-2	3	3	Development of Western Institutions
Mathematics 21, 22	3	3	Differential and Integral Calculus
Physics 23-24	5	5	Engineering Physics
	17	17	

JUNIOR YEAR

Religion 30 or 42	3		Christian Marriage; New Testament
Philosophy 21	3		General Psychology
Philosophy 32 or 34	3		Natural Theology; Professional Ethics
English 27	3		Business and Technical Writing
German 21	3		Intermediate German
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Chemistry 33, 48	4	2	Quantitative Analysis; Advanced Inorganic Chemistry
Chemistry 37, 38	1	1	Literature of Chemistry; Pro-seminar
Mathematics 9	3		Mechanical Drawing
Physics 44		3	Statics
	17	18	

Additional Credits to Complete Requirements for the A.B. Degree in Physical Science

Economics 4, Engineering Mechanics 6, Physics 3, Metallurgy 24. Total 37.

DIVISION OF THE HUMANITIES

A major is offered in English and in English-journalism; minors, in English, journalism, modern language, music, and speech.

DEPARTMENT OF ENGLISH

The aims of the Department of English are: 1. To teach the student to read with understanding and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism.

A major sequence comprises a minimum of twenty-four semester hours in upper-level courses including at least one semester in each of Shakespeare, Catholic Literature, and American Literature, and in speech unless the student has four hours in lower-level speech. Courses in speech and dramatics may be included as part of the departmental major, but they are not included in computing the maximum hours permitted in a single department.

A minor sequence consists of at least twelve semester hours in upper-level courses.

The group major sequence in English-journalism comprises a minimum of thirty semester hours in upper-level courses in the two departments so distributed that there be at least twelve in each, including always semester courses in Catholic Literature, American Literature, and in speech unless the student has four hours in lower-level speech. The selection and distribution of courses to compose the group sequence must be approved by the Chairman of the Division.

Special Departmental Regulations. Entering freshmen, and transfer students without credit in freshman composition work, must take a placement test in the mechanics of expression. Placement test scores and high school grades are the basis for assigning students to class sections in Freshman English.

Prior to the semester examination, students in Freshman English will be required to take an objective test administered by the Department. The results will be combined with those in the course examinations to determine promotion and revision of class sections for the second semester. Successful completion of six credits in Freshman English (1-2, 3-4, 5-6, or 7-8) is a prerequisite to registration for upper-level courses in English.

Suggested Program of Courses for the A.B. Degree
with English as Major Sequence **

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4, 5-6, or 7-8	3	3	Rhetoric and Composition; Literature
Speech 1-2	1	1	Fundamentals of Speech
Natural Science 2	3		Principles of Biological Science
Social Science 1-2	3	3	Development of Western Institutions
Electives	3	3	Foreign Language or Humanities
Physical Education 1-2	-	-	Physical Education (Required Course)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21		3	General Psychology
Humanities 21-22; 23-24; 20; 25	3	3	English Literature; World Literature Literary Art; Music Art Forms
Natural Science 3-4	3	3	Principles of Physical Science
Speech 21-22	1	1	Advanced Speech
Social Science	3		Economics; Geography; History; Politics; Sociology
Electives	3	3	Foreign Language; Journalism; Economics
	16	16	

JUNIOR YEAR

Religion 30		3	Christian Marriage
English 31-32 or 33-34	3	3	Shakespeare; American Literature
English 35-36 or 37, 38	3	3	Creative Writing; Victorian Age; Catholic Literature
English 41-42 or 43, 44	3	3	Literary Criticism; Chaucer; Ro- manticism
Speech 31-32	2	2	Public Discussion and Debate
Minor Sequence	3	3	
Elective	3		Recommended: History or Philosophy
	17	17	

SENIOR YEAR

Philosophy 34		3	Professional Ethics
English 31-32 or 33-34	3	3	Shakespeare; American Literature
English 35-36 or 37, 38	3	3	Creative Writing; Victorian Age; Catholic Literature
English 41-42 or 43, 44	3	3	Literary Criticism; Chaucer; Ro- manticism
English 45 or 51		3	English Novel; Honors Seminar
Minor Sequence	3	3	
	15	15	

** The student who intends to major in English-Journalism should see that in his sophomore year he includes Course 21, Introduction to Journalism.

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 28-31. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

DEPARTMENT OF GEOLOGY

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the home laboratory.

The minimum requirement for a major is twenty-four semester hours in upper-level courses. For a minor sequence, twelve semester hours in upper-level courses are required.

Students majoring in Geology must show credit in or give evidence of sufficient knowledge of Biology 1, 2, Physics 21-22, Chemistry 1, 2, and Mathematics 1, 3.

Suggested Program of Courses for the A.B. or B.S. Degree
with Geology as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3		Spiritual Life and Catholic Worship
Philosophy 1	3		Moral Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Biology 1, 2	4	4	Zoology; Botany
Chemistry 1, 2	4	4	General Inorganic; Qualitative
Mathematics 1, 3	3	3	Algebra; Trigonometry
Physical Education 1-2	-	-	Physical Education (Required Course)
	17	17	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 2		3	Introduction to Thomistic Philosophy
Philosophy 21	3		General Psychology
Speech 1-2	1	1	Fundamentals of Speech
Geology 1, 2	4	4	Physical; Historical Geology
Physics 21-22	4	4	College Physics
	15	15	

JUNIOR YEAR

Religion 30 or Philosophy 33 ...	3		Christian Marriage; Philosophy of Nature
Humanities 21-22; 34-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Social Sciences 1-2	3	3	Development of Western Institutions
Geology 33, 34	4	3	Mineralogy; Petrology
Geology 36		4	Surveying and Mapping
Minor Sequence	4	4	
	17	17	

SENIOR YEAR

Religion 30 or Philosophy 34 ...	3		Christian Marriage; Professional Ethics
Geology 41, 42	3	3	Paleontology; Subsurface Geology
Geology 43	3		Structural Geology
Geology 45, 46	3	3	Economic Geology; Advanced Principles
Geology 47-48	1	1	Pro-Seminar
Geology 51	3		Honors Seminar
Social Science, Upper-Level		3	History; Sociology
Minor Sequence	4	4	
	17	17	

DIVISION OF SOCIAL SCIENCES

The Division offers a major sequence in each of the following Departments: Accounting, Economics, Business Administration, and History. The major ordinarily is twenty-four hours in upper-level courses as prescribed under the respective Department. In Politics and in Sociology there is offered a minor, consisting of twelve upper-level hours.

The Division offers also a group major sequence, intended in particular for students who desire to complete their college course in preparation for professional schools of law, social work, public administration, or who desire to teach social science subjects in high school. The requirement is thirty-six hours in upper-level courses drawn from two or three of the following Departments: Economics, History, Politics, and Sociology. The distribution of courses is adjusted to meet the entrance requirements of the respective professional school or to qualify for the desired teaching certificate, but a minimum of nine hours of upper-level credit must be completed in each department included in the group major. No accompanying minor sequence is required.

DEPARTMENT OF HISTORY

The Department of History attempts to explain events by their human causes and to discern in them the influence of Providence and the play of man's free will, to develop the ability to judge critically, to lay the foundations for that general culture which requires acquaintance with the past, and to aid the student in acquiring the knowledge and background necessary for intelligent and useful citizenship.

Concentration in history prepares a student for teaching in secondary schools and for entrance into graduate or law school and provides a broad cultural basis in a four-year liberal arts program.

A major sequence requires Social Science 1-2, History 21; 22, and twenty-four semester hours on the upper level, including the following courses: History 34, 48, either 31 or 32, and any two selected from 35, 36, 37, 38. All majors are strongly urged to include in their program Politics 21 and 22, and either Philosophy 43, 44, or Politics 41-42. Students who plan to enter graduate school are advised to show at least twelve hours or the equivalent in a foreign language, preferably French or German.

A minor sequence in history requires twelve hours in upper-level courses.

Suggested Program of Courses for the A.B. Degree with
History as Major Sequence

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Humanities 20 or 25	3		Literary Art; Music Art Forms
Natural Science 2	3		Principles of Biological Science
Social Science 1-2	3	3	Development of Western Institutions
Elective	3		Recommended: World Geography
Physical Education 1-2	-	-	Physical Education (Required Course)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21 or 23	3		General Psychology; Logic
Natural Science 3-4	3	3	Principles of Physical Science
History 21, 22	3	3	European Civilization since 1500
Humanities 21-22 or 23-24	3	3	English Literature; World Literature
Elective	3		Recommended: Sociology
	15	15	

JUNIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Church History; Liturgy; Sacred Scripture
History 31, 32 or 45, 46	2	2	Ancient History; Constitutional History
History 35, 36 or 37, 38	3	3	United States History
History 33, 34 or 39, 40	3	3	Church History; Middle Ages; History of England
History 48		2	Pro-seminar in History
Minor Sequence	3	3	
Electives	3	3	Recommended: Foreign Language; American Government
	17	16	

SENIOR YEAR

Philosophy 41, 42 or 43, 44	3	3	History of Philosophy
History 31, 32 or 45, 46	2	2	Ancient History; Constitutional History
History 35, 36 or 37, 38	3	3	United States History
History 33, 34 or 39, 40	3	3	Church History; Middle Ages; History of England
History 42 or 47		3	History of Russia; Latin America
History 51	3		Honors Seminar
Minor Sequence	3	3	
	17	17	

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree in Physical Science by completing one of the engineering programs described on pages 28-31. The minimum requirements for a major or a minor sequence are prescribed by the respective department.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

DEPARTMENT OF MATHEMATICS

The departmental courses in mathematics are designed to help the student attain: 1. An understanding and appreciation of the fundamental methods of deductive reasoning. 2. Certification for teaching mathematics in secondary schools. 3. Adequate preparation for work in graduate or professional schools. 4. Facility in using the tools of mathematics, particularly in the natural sciences and in business.

The minimum requirement for a major in mathematics is twenty-two semester hours in upper-level courses including Mathematics 31, 33, 34, and 41. For a minor sequence nine semester hours in upper-level courses are required including Mathematics 33 and 41. The following lower-level courses are prerequisite for all upper-level courses: Mathematics 1, 3, 4, 21, and 22.

Suggested Program of Courses for the A.B. or B.S. Degree
with Mathematics as Major and Physics as Minor Sequence **

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Mathematics 1, 3, 4	6	3	Algebra; Trigonometry; Analytics
Social Science 1-2	3	3	Development of Western Institutions
Physical Education 1-2	-	-	Physical Education (Required Course)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 21	3		General Psychology
Mathematics 21, 22	3	3	Differential and Integral Calculus
Physics 23-24	5	5	Engineering Physics
Humanities 21-22, 23-24; 20; 25	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Social Science, Elective	3		Economics; Geography; History; Politics
	17	17	

JUNIOR YEAR

Philosophy, Upper-Level	3	3	Philosophy of Nature; Ethics
Mathematics 31, 32 or 31, 34	3	3	Calculus II; Advanced Calculus; Differential Equations
Mathematics 33 or 35	3		College Geometry; Solid Analytics
Mathematics 42 or 43	2		Non-Euclidian Geometry; History of Mathematics
Physics 41-42 or 45-46	3	3	Modern Physics; Electronics
Electives	3	6	
	15	17	

SENIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Church History; Sacred Scripture
Mathematics 41, 32 or 41, 34	3	3	Theory of Equations; Advanced Cal- culus; Differential Equations
Mathematics 33 or 35	3		College Geometry; Solid Analytics
Mathematics 42 or 43	2		Non-Euclidian Geometry; History of Mathematics
Physics 41-42 or 45, 46	3	3	Modern Physics; Electronics
Mathematics 51	3		Honors Seminar
Electives	3	3	
	15	14	

** Students who plan to complete the requirements for the mathematics-
physics group major are advised to substitute three hours in physics
for Advanced Calculus, (Mathematics 32).

DIVISION OF RELIGION AND PHILOSOPHY

The courses in religion and philosophy are designed to present a rational explanation of the universe, man, and God. They stress the philosophical principles fundamental to a deeper understanding of revealed truths and show the relation of religion and philosophy to other fields of knowledge. Their purpose is to expand the student's knowledge and enrich his appreciation of Catholic teaching, and thereby offer him incentives to shape his individual and social life in accordance with that teaching.

DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers both a major and a minor sequence. A major sequence consists of a minimum of twenty-four semester hours on the upper level and must include courses 30, 31, 32, 33, and six hours from 41, 42, and 43. A minor sequence consists of a minimum of twelve semester hours on the upper level.

Nine semester hours of philosophy on the lower level and three on the upper level are required of all students. Courses 1, 2, and 21 or 23 are obligatory.

Suggested Program of Courses for the A.B. Degree
with Philosophy as Major Sequence **

FRESHMAN YEAR

	Semester Hours		
Religion 2	3	3	Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3	Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3	Rhetoric and Composition
Speech 1-2	1	1	Fundamentals of Speech
Natural Science 2	3		Principles of Biological Science
Social Science 1-2	3	3	Development of Western Institutions
Electives	3	3	Foreign Language or Mathematics
Physical Education 1-2	-	-	Physical Education (Required Course)
	16	16	

SOPHOMORE YEAR

Religion 21, 22	3	3	Apologetics; Catholic Dogma
Philosophy 23, 21	3	3	Logic; General Psychology
Humanities 21-22; 23-24; 20, 25	3	3	English Literature; World Literature; Literary Art Forms; Music Art Forms
Natural Science 3-4	3	3	Principles of Physical Science
Speech 21-22	1	1	Advanced Speech
Electives	3	3	Foreign Language or Social Science
	16	16	

JUNIOR YEAR

Religion, Upper-Level	3		Christian Marriage; Liturgy; Church History; Sacred Scripture
Philosophy 30 or 32		3	Theory of Knowledge; Natural Theology
Philosophy 31 or 33		3	Philosophy of Being; Philosophy of Nature
Philosophy 41, 42 or 43, 44	3	3	History of Philosophy
Philosophy 34		3	Professional Ethics
Minor Sequence	3	3	
Electives	3	3	Foreign Language or Social Science
	15	15	

SENIOR YEAR

Philosophy 30 or 32		3	Theory of Knowledge; Natural Theology
Philosophy 31 or 33		3	Philosophy of Being; Philosophy of Nature
Philosophy 41, 42 or 43, 44	3	3	History of Philosophy
Philosophy 46		3	Philosophy of Science
Philosophy 51		3	Honors Seminar
Minor Sequence	3	3	
Electives	3	3	
	15	15	

DIVISION OF RELIGION AND PHILOSOPHY

The courses in religion and philosophy are designed to present a rational explanation of the universe, man, and God. They stress the philosophical principles fundamental to a deeper understanding of revealed truths and show the relation of religion and philosophy to other fields of knowledge. Their purpose is to expand the student’s knowledge and enrich his appreciation of Catholic teaching, and thereby offer him incentives to shape his individual and social life in accordance with that teaching.

DEPARTMENT OF RELIGION

In addition to the regular courses in Religion, the Department offers a series of special courses in Theology during the summer session. Students who complete the entire series of eight courses may qualify for the A.B. degree in Theology, provided they have completed all other catalog requirements for graduation. Details of the special program are given in the Summer Session Bulletin.

A minor sequence in the Department of Religion consists of a minimum of twelve semester hours on the upper level. Nine semester hours on the lower level and three on the upper level are obligatory for all Catholic students. Included must be courses 2, 21, and 22. Pre-theological students will take courses 3-4 and 23-24.

Suggested Program of Courses for Students Wishing to Qualify for Admission to a Major Theological Seminary after the Sophomore Year

FRESHMAN YEAR

	Semester Hours		
Religion 3-4	2	2	Christian Origins
English 3-4 (5-6 or 7-8)	3	3	Rhetoric and Composition; Literature
Greek 1-2	3	3	Introductory Greek
Latin 5, 6	3	3	Cicero; Horace
Latin 7-8	1	1	Latin Prose Composition
Natural Science 3-4	3	3	Principles of Physical Science
Social Science 1-2	3	3	Development of Western Institutions
	18	18	

SOPHOMORE YEAR

Religion 23-24	2	2	Sacraments and Commandments
Humanities 23-24	3	3	World Literature
Greek 21-22	3	3	The Greek New Testament
Latin 21, 22	3	3	Livy; Patristic and Medieval Latin
Latin 25-26	1	1	Latin Prose Composition
History 21, 22	3	3	European Civilization since 1500
Natural Science 2		3	Principles of Biological Science
Philosophy 23	3		Logic
	18	18	

Suggested Program of Courses for the A.B. or B.S. Degree
with a Group Major in Social Sciences **

FRESHMAN YEAR

	Hours		Semester	
Religion 2	3			Spiritual Life and Catholic Worship
Philosophy 1, 2	3	3		Moral Philosophy; Introduction to Thomistic Philosophy
English 3-4 or 5-6	3	3		Rhetoric and Composition
Speech 1-2	1	1		Fundamentals of Speech
Natural Science 2	3			Principles of Biological Science
Social Science 1-2	3	3		Development of Western Institutions
Business 1-2	2	2		Introduction to Business
Physical Education 1-2	-	-		Physical Education (Required Course)
	15	15		

SOPHOMORE YEAR

Religion 21, 22	3	3		Apologetics; Catholic Dogma
Philosophy 21	3			General Psychology
Natural Science 3-4	3	3		Principles of Physical Science
Politics 21-22	3	3		American Government
Sociology 21, 22	3	3		Anthropology; Social Conflict
History 21	3			European Civilization, 1500-1815
Speech 31-32	2	2		Public Discussion and Debate
	17	17		

JUNIOR YEAR

Religion 30	3			Christian Marriage
Economics 1-2	3	3		Principles of Economics
Education 22	3			Educational Psychology
Humanities 21-22; 23-24; 20; 25	3	3		English Literature; World Literature; Literary Art; Music Art Forms
Politics 41-42	3	3		History of Political Theory
Sociology 31, 32 or 41, 34	3	3		Rural-Urban; Home and Family; Poverty and Relief; Criminology
	15	15		

SENIOR YEAR

Philosophy 34	3			Professional Ethics
Education 39	2			Counseling and Guidance
Economics 37 or 38 or 41	3			Government and Business; Statistics; Insurance
Economics 42	3			Catholic Economic Thought
Economics 43-44	3	3		Labor Problems and Legislation
Politics 33, 34 or 43-44	3	3		Political Parties; Comparative Governments; International Relations
Sociology 31, 32 or 41, 34	3	3		Rural-Urban; Home and Family; Poverty and Relief; Criminology
Electives	3			Recommended: United States History
	17	15		

** This program has been designed for students preparing for entrance into a professional school of social work. Students with other objectives may adapt this general pattern to meet their particular needs.

STUDENT'S RECORD LOWER-LEVEL REQUIREMENTS

	COURSE	CAT NO.	CR. HRS.	GRADES		SEM. PTS.	YEAR	SEMESTER	
				1st.	2nd.			I	II
✓	Religion	2	3	D					
✓	Religion	21	3	D					
✓	Religion	22	3	D					
✓	Philosophy	1	3	C					
✓	Philosophy	2	3	C					
✓	Philosophy	21	3	D					
✓	English	1	3	D					
✓	English	2	3	D					
✓	Speech	1	1	C					
✓	Speech	2	1	B					
✓	Humanities		3	D					
✓	Humanities		3	C					
✓	Natural Science	2	3	D					
✓	Natural Science	3	3	C					
✓	Natural Science	4	3	C					
✓	Social Science	1	3	D					
✓	Social Science	2	3	D					
✓	Social Science		3	D					
✓	ACCT	1-2	6	C	C				
✓	ECON.	1-2	6	C	C				
✓	ECON	23-	2	D					
✓	ECON	21-22	6	D	C				
ELECTIVES									
✓	ALGEBRA	1	3	C					
✓	LITERARY ART	20	3	C					
✓	FRENCH	1-2	6	B	C				
✓	Physical Education	1	-						
✓	Physical Education	2	-						

TOTAL LOWER HRS. (60 MIN.)

17
1-2
51

106
65
124

1.00

$$\begin{array}{r} 124 \\ - 65 \\ \hline 59 \end{array}$$

45 20

20

STUDENT'S RECORD UPPER-LEVEL REQUIREMENTS

Cumulative Index

Name Born

Home Address
.....

High School
Address

Date of Graduation Rank

Entered Saint Joseph's College

Transfer Credit hrs. from

Registration Counselors:

Semes- ters	Names	Dates
1.
2.
3.
4.
5.
6.
7.
8.

Lower-level requirements completed:

Checked from official records by:

Placement Tests:

Date

Percentile Scores

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Sophomore General Culture

Date

Percentile Scores

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Remarks
(Probations, Deficiencies, Dean's List, Exemptions)

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